## **VERSION WITH MARKINGS TO SHOW CHANGES MADE**

## **IN THE CLAIMS**

- 3. (Amended) A method of claim 1-or-2, **c** h a r a c t e r i z e d in that the mutation or mutations are located in the trinucleotide (CAG) microsatellite repeat of the *POLG* gene.
- 5. (Amended) A method of claim 1-or 2, c h a r a c t e r i z e d in that the mutation or mutations are located in or near a coding region of the *POLG* gene.
- 6. (Amended) A method of claim 1-or 2, **c** h a r a c t e r i z e d in that one mutation or mutations are located in one allele of the *POLG* gene in the trinucleotide (CAG) microsatellite repeat and another mutation or other mutations in the other allele of the mutant *POLG* gene in or near a coding region of the gene.
- 7. (Amended) A method of any one of claims 1-to 6, c h a r a c t e r i z e d in that the detection of the mutation is performed using a gene-technological method.
- 9. (Amended) A method of any one of claims 1-to 6, **c** h a r a c t e r i z e d in that the detection of the mutation or mutations is performed using an immunological method, such as a Western analysis, immunohistology or immunoassay, for characterization of a mutant gene or gene product.